QC-ABSTRACT

Name of Work:- Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Sl No.	Item	Quantity As Per BOQ	Required No's of tests	Actual No's of tests	Tests
1	PCC 1:3:6	7.13 Cum	1	1	Cement
					Sand, Aggregates
3	M20	7.13 Cum	2	2	Concrete Cube Compressive Strength

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date : 09.04.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,**

Agency : **Sri. Yoganadhana B. M,** Contractor, Bangalore.

Name of Work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Date of Testing : 09.04.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : Sand

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Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	87	8.70	8.70	91.3	90-100
2.36	102	10.20	18.90	81.1	75-100
1.18	189	18.90	37.80	62.2	55-90
600 Micron	232	23.20	61.00	39.0	35-59
300 Micron	171	17.10	78.10	21.9	8-30
150 Micron	156	15.60	93.70	6.3	0-10

Note:

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For CIVIL AIM CONSULTANTS & ENGINEERS

Authorised Signatory

No.01, Satvika Nilaya, Opp. Widia Poorna Prajna School,
Ramaiah Layout, Nagasandra, Banglore - 560 073.
Ph.No: 9591618639 GST IN:29CNWPD9510K1ZB Email:civilaimconsultants@gmail.com

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022

Date: 09.04.2021

TEST REPORT ON CEMENT

Client : **Assistant Executive Engineer,** Dasarahalli Sub Division, BBMP, Bangalore.

Agency : **Sri. Yoganadhana B. M.,** Contractor, Bangalore.

Name of Work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Sample ID: : Cement (Birla Super 53 grade OPC)

Sample Supplied by: : AGENCY

Date of Manufacture: : Martch - 2021

Date of Testing : 09.04.2021 to 10.04.2021

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Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	135 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	380 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	29.00%	-

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022

Date : 10.04.2021

TEST REPORT ON COARSE AGGREGATES

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,

Agency : Sri. Yoganadhana B. M, Contractor, Bangalore.

Name of Work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Date of Testing : 10.04.2021

IS Code : IS 383:2016

: IS 2386 (Part 1):1963(RA 2011)

Material : 40mm Aggregates

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Total Wt. of Aggregates in gms 15000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016
80	0	0	0	100	100
40	210	1.40	1.40	98.60	95-100
20	8441	56.27	57.67	42.33	30-70
10	3156	21.04	78.71	21.29	10-35
4.75	2563	17.09	95.80	4.20	0-5

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 27.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,**

Agency : **Sri. Yoganadhana B. M., Contractor, Bangalore.**

Name of the work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 7th day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	27.04.2021	8.025	364.9	16.22
2	20.04.2021	27.04.2021	8.174	371.2	16.50
3	20.04.2021	27.04.2021	8.136	379.6	16.87

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 27.04.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: **Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,**
Agency	: **Sri. Yoganadhana B. M., Contractor, Bangalore.**
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 7th day

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	27.04.2021	8.165	356.7	15.85
2	20.04.2021	27.04.2021	8.099	364.6	16.20
3	20.04.2021	27.04.2021	8.124	382.3	16.99

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Job No.: CACE/BBMP/Y B/W.No.14/2021-2022 Date: 18.05.2021

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client	: Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,
Agency	: Sri. Yoganadhana B. M., Contractor, Bangalore.
Name of the work	: Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "
Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
Grade of Concrete	: M_{20}
Compressive Strength as on	: 28th day

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.024	512.6	22.78
2	20.04.2021	18.05.2021	8.154	524.9	23.33
3	20.04.2021	18.05.2021	8.196	539.1	23.96

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TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

Client : Assistant Executive Engineer, Dasarahalli Sub Division, BBMP,

Agency : Sri. Yoganadhana B. M., Contractor, Bangalore.

Name of the work : Entrustment of work " Community property and maintenance in ward no.14 Dasarahalli "

Sample ID : Cement Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

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Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	20.04.2021	18.05.2021	8.157	546.2	24.28
2	20.04.2021	18.05.2021	8.198	528.9	23.51
3	20.04.2021	18.05.2021	8.032	534.1	23.74

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